

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/657,852 B
Source: TFW16
Date Processed by STIC: 09/21/2005

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 09/21/2005

PATENT APPLICATION: US/10/657,852B

TIME: 11:07:25

Input Set : A:\corrected1070Useqlist.TXT

Output Set: N:\CRF4\09212005\J657852B.raw

4 <110> APPLICANT: Demmer, Jeroen
 5 Shenk, Michael Andrew
 6 Hall, Claire
 7 Fish, Steven A
 9 <120> TITLE OF INVENTION: Compositions isolated from forage
 10 grasses and methods for their use.
 13 <130> FILE REFERENCE: 11000.1070U
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/657,852B
 C--> 15 <141> CURRENT FILING DATE: 2003-09-09
 15 <150> PRIOR APPLICATION NUMBER: 60/409,557
 16 <151> PRIOR FILING DATE: 2002-09-09
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 25 <213> ORGANISM: Lolium perenne
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 30 tgccaccctg atgacctcta tgccctgcgg gacttcgccg gcaacctcag aggcgggggc 180
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 33 ggccgttcac tgggtaaggc gttcactcac atgccattac atgtgaagcc tagccaagga 360
 34 acactcgacg aagaccacaa tacaataact gggatcaaca atactgtcag atccgggagc 420
 35 aacaatgttg tttctgggaa cgataacact gtcatatccg ggaacaacaa cgtcgtgtcc 480
 36 gggagccaca acaccgtcgt atttgggggt gacaacttca taagtggaag ttaccatgtc 540
 37 gtatctggga accaccatgt tgtgactgac aacaagaatg ccgtatccgg ggaccacaat 600
 38 actgtatctg gaagccaaaa taccgtatcc ggggaaccac agatcgtatc tgggagccac 660
 39 agtaccgtat ccgggaacca caatacggta tctgggagaa acaattccgt atatgggaac 720
 40 aacaatattg tatctgggag caaccatgtt gtatatggga acaacaaagt cgtgacagga 780
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 45 <211> LENGTH: 959
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 47 <213> ORGANISM: Festuca arundinacea
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 52 ctcttgccgg cggcgagcgc cgcgtcacgc caccctgatg acctccgcgc cctgcaggac 180
 53 ttccgcggca acctcagagg cgggggcggt gtccctccgc ccgccttgtc cggcggctca 240
 54 tgctgcgact ggggaaggcgc gggctgcgac ggtgcaagtg gccgcgtcac gagtttccag 300

Cpg-6)

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Input Set : A:\corrected1070Useqlist.TXT

Output Set: N:\CRF4\09212005\J657852B.raw

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57 atcaacaata ctgtcaaata cgggagcaac aatgttggtt ctgggaacga taactactgtc 480
58 atatccggga acaacaacgt cgtgtccggg agccacaaca ccgtcgtatt tgggggtgac 540
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60 aagaatgccg tatccgggga ccacaatact gtatctggaa gccaaaatac cgtatccggg 660
61 aaccaccata tcatatctgc gagccacagt accatatccg ggaaccacaa taccgtatcc 720
62 gggagcaaca atttcgtatc tgggaacaac aatattgtat ctgggagcaa ccatgtcgta 780
63 tatgggaaca acaaggtggt gacaggaggt taataatttg tctactggatt gtttccatgc 840
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75 ccaccacgac gacctccacg cgttgagggg cctcgctgag aacctaaagc gcaaaggagc 180
76 cgctcgcctc cgcgcgcgat ggtccggcgc ctcatgctgc agctgggaag gtgtgggatg 240
77 cgaaacagca agcgcccgcg tcgtggcggt gcgggtcccc aagcgcggcc ttggagggat 300
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87 ttctgtaggt gcaggattgc ttccatcttc ccaagttcag tgtagcttac aatcaataga 900
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93 <212> TYPE: DNA
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99 gtggctcgtg caccacgacg acctccgcgc attgaggggc ttcgccgaga acctaaagcg 180
100 caaaggagcc gtccgcctcc gcgcgcgatg gtccggcgcc tcatgctgca gctgggaagg 240
101 tgtgggatgc gaaacagcaa gcggccgcgt cgcggcggtg cggctcccca agcgcggcct 300
102 tggagggacc atcccatcgt cgattggtga gcttgatcac cttcgttggt tggatctctc 360
103 gggtaattca ttggttggga aggtacaaa aagtttgtag atacggctct agagcctctc 420
104 cactgatggc cagtcactcg gtatgggttc cattaacacg ctattgcatg tgagcagtaa 480
105 cagaagaacc ctcgatgaag aaccaataac aatatcaggg accaacaata gtgttgatc 540
106 agggagcaac aatgttggtt ccgggaatga caacacggtc atatctggga ataacaacca 600
107 tgtgtctggg agcaacaaca ctgttgtaac tgggaagtgc aacactttag ttggtagcaa 660

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110	gagcaacaac	actgtatccg	ggagcaacca	tgtcgatatc	ggaagcaaca	aagtcgtaac	840
111	agatgggttaa	tattctgtag	gtgcaggatt	gcttccatct	tcccaagttc	agtgtagctc	900
112	ataatcaatt	gatggagaca	atcacgttat	gtaacttcag	gatatggcat	acttttcctt	960
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123	cgtcgtgcca	cctggatgac	ctccgcgcgc	tgcggggctt	tgtcgggaac	ctcaatggcg	180
124	ggggtgccct	tctccgtgga	acatgggtctg	gctcctcatg	ctgcgattgg	gaaggtgtgg	240
125	gctgcgatgg	tacaagcggc	cgcgtcacgg	cgttgcggct	tccgattagc	ctcgaggact	300
126	gcgtaagct	caagtcgctc	aaccttgcca	acgaaagatt	ggttggcacc	atcccgtcgt	360
127	ggattggtga	gcttgaccac	cattgctact	tggttctctc	ggataattca	ttggttggtg	420
128	aggcacccaa	tagtttgcac	aatagtttgc	agataagact	caagggcctc	gccaccgctg	480
129	gtcggttca	aggatggct	ttcgctaaca	tgccattgca	tgtgaagggg	aaccgaagaa	540
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143 <212> TYPE: DNA

144 <213> ORGANISM: Festuca arundinacea

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149	ccggccgcga	gcgcgacgtc	gtgccacccc	gatgacctcc	gcgcgctgcg	tggctttgtc	180
150	gggaacctca	atggcggggg	tgtccttctt	catggagcat	ggtccggctc	cttatgttgc	240
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152	attagcctca	aggattgcgg	caagctcaag	tcgctcaacc	ttgccaacga	tagactgggt	360
153	ggcaccatcc	cgtcgtggat	tgggtgagctt	gaccaccttt	gctacttggt	tctctcggat	420
154	aattcattgg	ttggtaagg	acccaatagt	ttgcagataa	gactcaaggg	cctcgccacc	480
155	gctggctcgt	cactagggtat	ggctttcgct	aacatgccat	tgcattgtgaa	gggcaaccga	540
156	agaacactcg	acgaacaaac	aaatacaata	caggggacca	acaacacagt	tagatctggg	600
157	aacgacaatg	cagtttcttg	gaacgacaac	actgtcatat	gtgggaacaa	caacactgtg	660
158	tctgggagca	acaatactat	tgtatctggg	agtgacaata	tcgtaactgg	tagcaaccag	720
159	gttgtatgtg	ggaccaaaaca	tatcataact	gataacaaca	atgacgtatc	cgggaacgat	780
160	aacaatgtat	ctgggagttc	ccatactgta	tccgggagcc	acaatactgt	atccgggagt	840

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Input Set : A:\corrected1070Useqlist.TXT

Output Set: N:\CRF4\09212005\J657852B.raw

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163 aagttcagtg tagctcacag tcacttggtg gggacaatcg agttatgtaa cttcatggat    1020
164 atagcctcat ttttctagtt taaatatact ttcctgaaaa tatcttacat acatgctgat    1080
165 ataaatataa aggcggtctt catgctactg atgtatacca agcgtgtttt cttgtgtacg    1140
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182 ggtaccacaat agtttgaga taagactcaa aggcctcgcc accgctgggc gttcactagg    480
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193 gctttcacgc agctgatgta tacgtgtttt cttatgtacg aatttgcatt gacatgcaga    1140
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205 caccocgatg acctccgtgc cctgcggggc tttgccaaga accttggcgg cggaggcgtc    180
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212 gccgtacaac caaatacaat atctgggacc aacaactcgg tcttatctgg gcgaaacaat    600
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RAW SEQUENCE LISTING

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219 gtagcactca atcacttggg ggggacaatc ggggtatgta acgtcatgga tatagcatac 1020
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/21/2005
PATENT APPLICATION: US/10/657,852B TIME: 11:07:26

Input Set : A:\corrected1070Useqlist.TXT
Output Set: N:\CRF4\09212005\J657852B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:16; Xaa Pos. 124

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L:15 M:270 C: Current Application Number differs, Replaced Current Application No

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:112